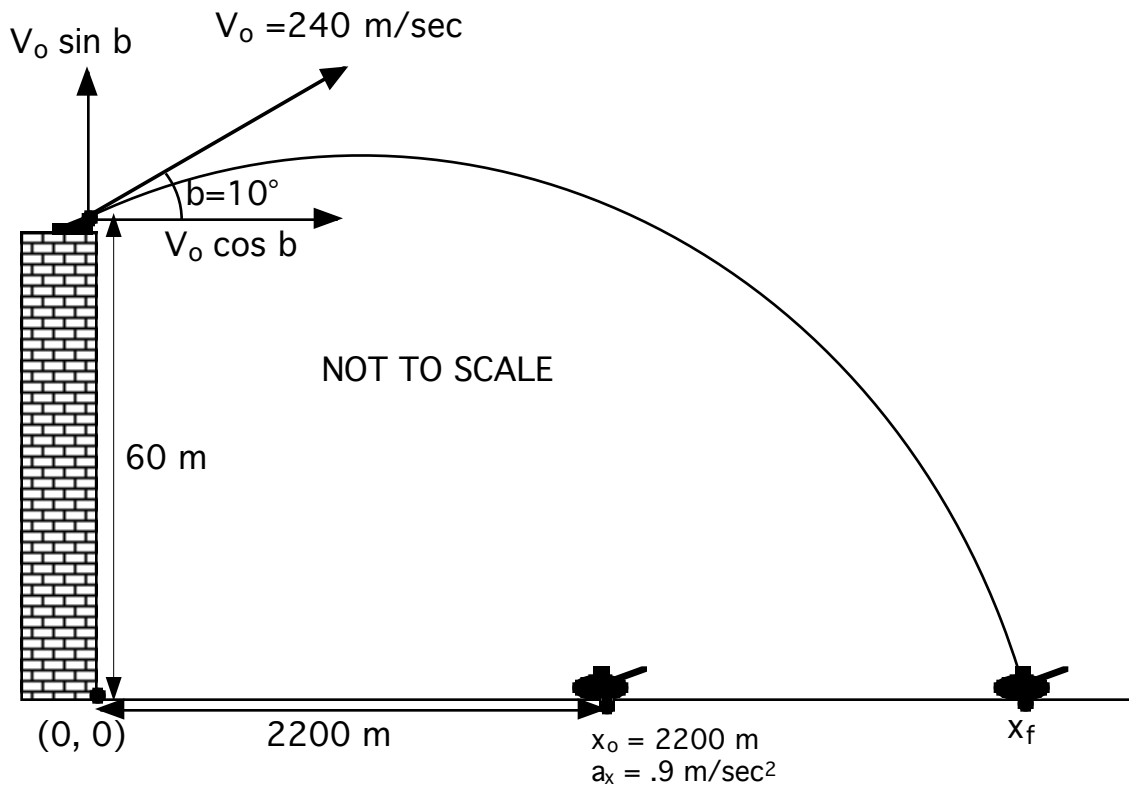


ATTACHMENT #1

Showing gun position and the initial and final location of the tank.



The gun fires N seconds after the tank begins to move.
Final x, y coordinates are the same for the projectile and the tank.
Acceleration of the projectile is $-g$, downward, and its horizontal acceleration is zero.